

AMENDMENTS TO CLAIMS

Claims 1-11 (canceled).

12. (Original) An equipment diagnostic system comprising;

a power distribution panel switch gear;

a controller from which commands relating to the operation and monitoring of said plurality of device to be operated are output to said power distribution panel switch gear and the output commands are used to communicate with said power distribution panel switch gear through wireless communication;

a receiver for receiving wireless waves present in a portion of the in-panel space of aid power distribution panel switch gear, or at the boundary section between the power distribution panel switch gear and the external space thereof, or in the vicinity of the power distribution panel switch gear, and

a diagnostic judgment device for diagnosing whether the control and monitoring signals of the wireless waves which have been received by said receiver are within an operating range acknowledged to be normal operating range.

13. (Original) The equipment diagnostic system according to Claim 12, wherein said diagnostic judgment device detects precursory indications of abnormality or deterioration by analyzing the operation and monitoring signals existing under the normal operating conditions of said power distribution panel switch gear and judging whether the response relationship between signals and the amounts of change thereof with the elapse of time have deviated from a normal range.

14. (Original) The equipment diagnostic system according to Claim 12, wherein said diagnostic judgment device has a transmitter which can transmit test-use wireless signals in a single frequency band in addition to the wireless wave signals used in the in-

panel space of said power distribution panel switch gear under the normal operating conditions thereof.

15. (Original) The equipment diagnostic system according to Claim 12, wherein said diagnostic judgment device has a transmitter which can transmit test-use wireless signals in a non-single frequency band in addition to the wireless wave signals used in the in-panel space of said power distribution panel switch gear under the normal operating conditions thereof.

16. (Original) The equipment diagnostic system according to Claim 12, wherein said diagnostic judgment device is such that when said power distribution panel switch gear is a metal-enclosed power distribution panel, the metallic plate in any section of the power distribution panel is made of a material which enables the penetration of in-panel wireless waves.

17. (Original) The equipment diagnostic system according to Claim 12, wherein, after information has been acquired from said power distribution panel switch gear, said diagnostic judgment device stores the information into a database and outputs the information to a plant operation undertaker according to the value-judging market price indicating the degree of usefulness of the corresponding information.